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MONTANA COMMERCIAL FEED / FERTILIZER REPORT

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VOLUME 47, 2000

Feed Program

	Issued as of	<u>8/98</u>	<u>7/99</u>	<u>8/00</u>	<u>7/01</u>
Feed Licenses		569	568	667	656
Feed Registrations					
Companies w/ Registrations		339	347	137	123
Pet/Specialty Registrations		2877	3126	3100	2700
Other Commercial Feeds		3229	3322	0	0

Fertilizer Program

	Issued as of	<u>8/98</u>	<u>7/99</u>	<u>8/00</u>	<u>7/01</u>
Fertilizer Licenses		272	264	251	234
Fertilizer Registrations					
Companies w/ Registrations		189	181	197	172
Specialty Registrations		1008	999	845	738
Commercial Fertilizers		327	355	392	384
Soil Amendments		106	126	132	88

Feed Sampling & Analysis History

Year	Samples Taken	Out of Tolerance	% Out of Tolerance
1977	368	124	33.7
1978	401	105	26.2
1979	231	39	16.9
1980	437	62	14.2
1981	251	73	29.1
1982	332	82	24.7
1983	354	72	20.3
1984	266	64	24.1
1985	406	106	26.1
1986	290	50	17.2
1987	265	60	22.6
1988	280	57	20.4
1989	293	50	17.1
1990	310	54	17.4
1991	241	43	17.8
1992	335	76	22.7
1993	272	71	26.1
1994	312	89	28.5
1995	237	38	16
1996	235	77	32.8
1997	264	99	37.5
1998	296	125	42.2
1999	286	88	30.8
2000	266	71	26.7

2000 Feed Sampling & Analysis Breakdown

Nutrient	Analyzed	Out of Tolerance	% Out of Tolerance
Protein	244	25	10.2
NPN	4	0	0
Fiber	0	0	0
Fat	22	0	0
Moisture	18	0	0
Calcium	207	10	4.8
Phosphorus	210	25	11.9
Salt	159	14	8.8
Vitamin A	117	7	6
Magnesium	28	9	32.1
Potassium	56	5	8.9
Zinc	71	9	12.7
Iron	17	3	17.6
Selenium	88	9	10.2
Copper	57	3	5.3
Manganese	20	1	5
Sodium	6	1	16.7
Lysine	38	0	0
Methionine	19	0	0
Amprolium	4	0	0
Chlortetracycline	14	0	0
Lasalocid	5	0	0
Oxtetracycline	8	0	0
Monensin	7	0	0
Sulfamethazine	3	0	0
Total	1422	121	8.5

MONTANA COMMERCIAL FEED REPORTED FOR 2000

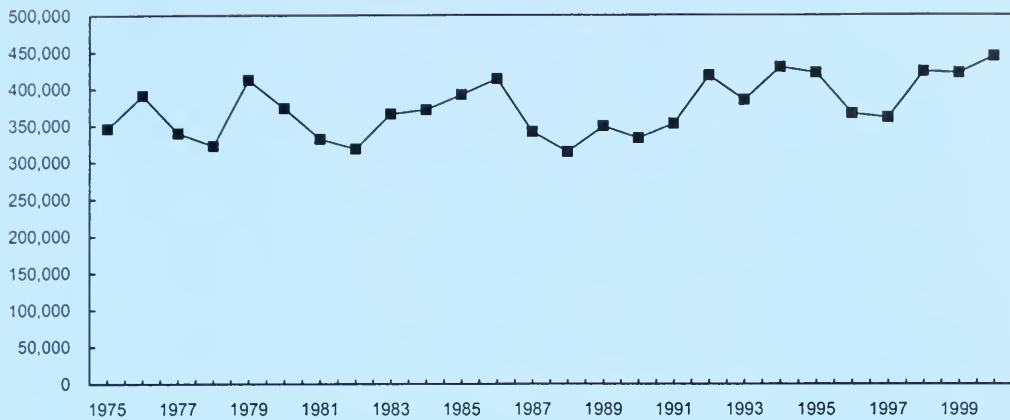
<u>FORMULA FEEDS</u>	<u>NO. OF TONS</u>	<u>FEED INGREDIENTS</u>	<u>NO. OF TONS</u>
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Broiler Feeds	Complete	2075	Alfalfa Products	635
	Supplement	265		
Turkey Feeds	Complete	359	Animal Products	66
	Supplement	192	Barley Products	1213
Starter-	Complete	2042	Beet Products	21480
Grower	Supplement	3971	Brewer Products	113
(Egg-type)			Canola Products	7610
Layer-	Complete	2020	Cottonseed Products	291
Breeder	Supplement	1150	Drug Products	177
(Egg-type)			Fats & Oils	22
Beef Feeds	Complete	80464		
	Supplement	106500	Maize Products	12109
Dairy Feeds	Complete	11498	Marine Products	9
	Supplement	5075	Milk Products	113
Swine Feeds	Complete	5151	Mineral Products	14222
	Supplement	4099	Molasses	11234
Sheep Feeds	Complete	1125	Oat Products	1269
	Supplement	2357	Probiotic/Yeast	57
Horse Feeds	Complete	6809	Safflower Products	5012
	Supplement	2917		
Mineral Feeds	Complete	83	Soybean Products	6445
	Supplement	8903	Sunflower Products	762
Rabbit Feeds		584	Urea	923
Mineralized Salt		5109	Vitamin Products	196
			Wheat Products	87935
Miscellaneous		14018	Misc. Ingredients	5685
Formula Feeds Total		266,766	Feed Ingredients Total	177,578

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Total Commercial Feed	444,344 Tons
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Feed Tonnage History



Year	Tonnage
1975	346,242
1976	391,176
1977	339,946
1978	322,452
1979	412,113
1980	373,463
1981	331,625
1982	318,312
1983	365,620
1984	371,317
1985	391,558
1986	413,452
1987	341,579
1988	314,336
1989	349,280
1990	332,997
1991	352,762
1992	418,090
1993	384,607
1994	429,600
1995	421,846
1996	366,756
1997	360,971
1998	423,573
1999	421,607
2000	444,344

Fertilizer Sampling & Analysis History

Year	# Samples Taken	# Samples Deficient	% Samples Deficient
1977	448	32	7.1
1978	533	30	5.6
1979	365	21	5.8
1980	506	27	5.3
1981	428	24	5.6
1982	607	41	6.8
1983	558	50	9.0
1984	379	58	15.3
1985	368	55	14.9
1986	228	43	18.9
1987	175	25	14.3
1988	228	18	7.9
1989	128	17	13.3
1990	154	31	20.1
1991	142	18	12.7
1992	107	21	19.6
1993	89	18	20.2
1994	172	21	12.2
1995	216	31	14.4
1996	208	23	11.1
1997	124	18	14.5
1998	172	27	15.7
1999	215	31	14.4
2000	215	37	17.2

2000 Fertilizer Sampling & Analysis Breakdown

Nutrient	# Analyzed	# Deficient	% Deficient
Nitrogen	182	12	6.6
Phosphate	132	21	15.9
Potash	102	3	2.9
Sulfur	48	7	14.6
Iron	8	0	0
Total	472	43	9.1

MONTANA DEPARTMENT OF AGRICULTURE
FERTILIZER SOLD IN MONTANA
Reported by Montana Agricultural Statistic Districts

JANUARY - JUNE 2000

FERTILIZER	NORTH WEST	SOUTH WEST	NORTH CENTRAL	CENTRAL	SOUTH CENTRAL	NORTH EAST	SOUTH EAST	TOTAL
Anhydrous Ammonia	747	108	6,049	3,501	595	6,520	914	18,434
Ammonium Nitrate	1,526	12,539	5,391	2,724	9,313	80	0	31,573
Ammonium Sulfate	1,996	2,947	4,397	2,782	5,542	3,602	151	21,417
Urea	2,471	3,145	49,720	22,280	11,016	27,716	3,199	119,547
Ammonium Thiosulfate	0	156	423	18	36	328	0	961
Nitrogen Sols. 32%	353	1,334	89	560	239	0	0	2,575
Nitrogen Sols. 28%	0	0	3,628	181	0	3,693	0	7,502
Phosphorus Material	26	52	7	383	0	0	12	480
Potash Material	2,064	2,633	9,684	3,842	2,478	1,614	583	22,898
Sulfur	147	141	54	149	864	31	7	1,393
DAP	848	1,219	1,545	1,621	2,631	8,994	1,812	18,670
MAP	1,950	6,370	31,861	11,278	5,826	14,118	1,169	72,572
APS	587	4,137	2,626	2,228	814	408	0	10,800
10-34-0	0	33	1,843	19	56	454	9	2,414
OTHER BLENDS	31	1	1,714	397	19	287	1	2,450
MICRONUTRIENTS	62	98	0	23	91	28	5	307
GYPSUM/LIME	376	0	52	2	25	12	17	484
COMPOST	18	0	3	0	0	0	0	21
TOTALS	13,202	34,913	119,086	51,988	39,545	67,885	7,879	334,498

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JULY - DECEMBER 2000

FERTILIZER	NORTH WEST	SOUTH WEST	NORTH CENTRAL	CENTRAL	SOUTH CENTRAL	NORTH EAST	SOUTH EAST	TOTAL
Anhydrous Ammonia	20	70	8,153	2,557	582	5,091	397	16,870
Ammonium Nitrate	316	3,409	2,458	707	2,350	0	53	9,293
Ammonium Sulfate	220	680	2,458	1,974	1,063	1,151	34	7,580
Urea	164	1,047	39,486	12,909	11,707	16,658	1,273	83,244
Ammonium Thiosulfate	0	77	296	18	36	0	0	427
Nitrogen Sols. 32%	508	550	64	357	155	14	0	1,648
Nitrogen Sols. 28%	0	31	2,415	113	9	638	0	3,206
Phosphorus Material	0	2	0	304	1	0	0	307
Potash Material	235	522	6,873	1,621	1,023	1,010	145	11,429
Sulfur	66	75	141	94	248	82	35	741
DAP	102	248	696	867	1,926	2,003	610	6,452
MAP	243	1,142	24,760	7,577	5,789	4,211	1,227	44,949
APS	117	717	2,160	587	288	0	249	4,118
10-34-0	0	52	506	122	10	50	0	740
OTHER BLENDS	4	11	1,274	30	12	0	0	1,331
MICRONUTRIENTS	5	0	0	0	48	40	1	94
GYPSUM/LIME	47	0	0	28	0	2	3	80
COMPOST	0	4,407	0	0	0	0	0	4,407
TOTALS	2,047	13,040	91,740	29,865	25,247	30,950	4,027	196,916

FRTNPK00

MONTANA DEPARTMENT OF AGRICULTURE
FERTILIZER SOLD IN MONTANA
FOR THE YEAR 2000

FERTILIZER	JAN.-JUN. 2000	JULY-DEC. 2000	YEARLY TOTALS
Anhydrous Ammonia	18,434	16,870	35,304
Ammonium Nitrate	31,573	9,293	40,866
Ammonium Sulfate	21,417	7,580	28,997
Urea	119,547	83,244	202,791
Ammonium Thiosulfate	961	427	1,388
Nitrogen Sols. 32%	2,575	1,648	4,223
Nitrogen Sols. 28%	7,502	3,206	10,708
Phosphorus Material	480	307	787
Potash Material	22,898	11,429	34,327
Sulfur	1,393	741	2,134
DAP	18,670	6,452	25,122
MAP	72,572	44,949	117,521
APS	10,800	4,118	14,918
10-34-0	2,414	740	3,154
OTHER BLENDS	2,450	1,331	3,781
MICRONUTRIENTS	307	94	401
GYPSUM/LIME	484	80	564
COMPOST	21	4,407	4,428
TOTALS	334,498	196,916	531,414

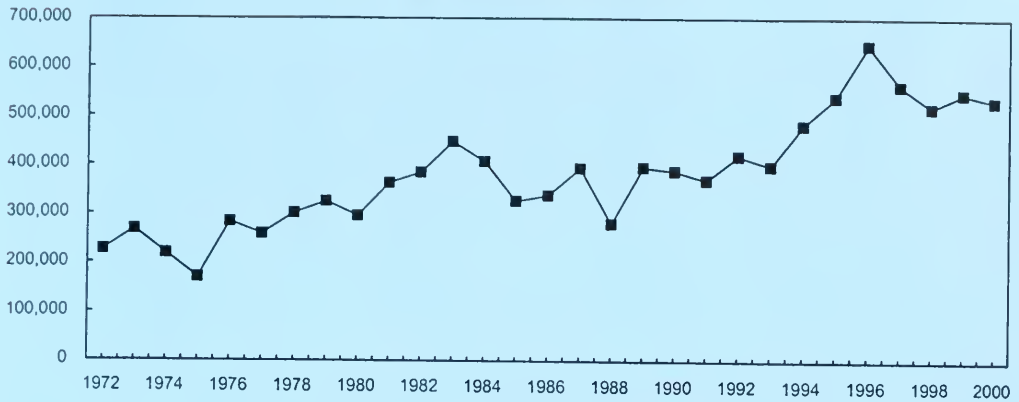
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TOTAL NITROGEN	102,183	65,458	167,641
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TOTAL P205	50,262	27,957	78,219
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TOTAL K2O	13,739	6,857	20,596
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Fertilizer Tonnage History



Year	Tonnage
1972	226,939
1973	268,061
1974	219,197
1975	170,324
1976	283,925
1977	259,211
1978	301,487
1979	324,838
1980	295,958
1981	363,295
1982	384,387
1983	447,407
1984	406,567
1985	325,887
1986	337,626
1987	393,505
1988	279,616
1989	395,033
1990	387,583
1991	368,868
1992	418,982
1993	397,957
1994	481,300
1995	538,356
1996	645,344
1997	562,292
1998	517,388
1999	546,943
2000	531,414

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